

STO RapidGuard

Safety Data Sheet

According To Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules And Regulations And According To The Hazardous Products Regulation (February 11, 2015).
Date of issue: 03/11/2021 Version: 1.0

SECTION 1: IDENTIFICATION

1.1. Product Identifier

Product Form: Mixture

Product Name: Sto RapidGuard

1.2. Intended Use of the Product

Use Of The Substance/Mixture: Coating.

1.3. Name, Address, and Telephone of the Responsible Party

Company

Sto Corp.

3800 Camp Creek Pkwy

Bldg 1400, Ste 120

Atlanta, GA 30331

404-346-3666

www.stocorp.com

1.4. Emergency Telephone Number

Emergency Number : 800-424-9300 CHEMTREC

SECTION 2: HAZARDS IDENTIFICATION

2.1. Classification of the Substance or Mixture

GHS-US/CA Classification

Eye Irrit. 2	H319
Skin Sens. 1	H317
Carc. 2	H351
Repr. 1B	H360

Full text of hazard classes and H-statements : see section 16

2.2. Label Elements

GHS-US/CA Labeling

Hazard Pictograms (GHS-US/CA) :



Signal Word (GHS-US/CA) :

Danger

Hazard Statements (GHS-US/CA) :

H319 Causes serious eye irritation.
H317 May cause an allergic skin reaction.
H351 Suspected of causing cancer.
H360 May damage fertility or the unborn child.

Precautionary Statements (GHS-US/CA) :

P201 Obtain special instructions before use.
P202 Do not handle until all safety precautions have been read and understood.
P261 Avoid breathing vapor/ spray. P264 Wash contaminated skin thoroughly after handling.
P272 Contaminated work clothing must not be allowed out of the workplace.
P280 Wear protective gloves/ protective clothing/ eye protection/ face protection.
P302+P352 If on skin: Wash with plenty of water.
P305+P351+P338 If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P308+P313 If exposed or concerned: Get medical advice/ attention.
P321 Specific treatment (see medical advice on this label).
P333+P313 If skin irritation or rash occurs: Get medical advice/ attention.
P337+P313 If eye irritation persists: Get medical advice/ attention.
P362+P364 Take off contaminated clothing and wash it before reuse.

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P405 Store locked up.

P501 Dispose of contents/ container in accordance with national regulations.

2.3. Other Hazards

This product does not contain any substances classified as PBT or vPvB.

2.4. Unknown Acute Toxicity (GHS-US/CA)

No data available

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.1. Substance

Not applicable

3.2. Mixture

Name	Product Identifier	% *
Proprietary Polymer	Proprietary	10-30
Limestone	(CAS-No.) 1317-65-3	10 – 30
Titanium Dioxide	(CAS-No.) 13463-67-7	1-5
Proprietary Dehydration Agent	Proprietary	1-5
Proprietary Adhesion Promoter	Proprietary	<1
Proprietary Catalyst	(CAS-No.) 22673-19-4	<1

*Percentages are listed in weight by weight percentage (w/w%) for liquid and solid ingredients. Gas ingredients are listed in volume by volume percentage (v/v%).

Exact concentrations and chemical identities of ingredients not listed above are either classified as non-hazardous or are withheld as a trade secret as covered by OSHA's Hazard Communication Standard, 29 CFR 1910.1200(i).

SECTION 4: FIRST AID MEASURES

4.1. Description of First-aid Measures

General: Get medical attention if any discomfort continues. Show this Safety Data Sheet to the medical personnel.

Inhalation: Move affected person to fresh air and keep warm and at rest in a position comfortable for breathing. Loosen tight clothing such as collar, tie or belt. Get medical attention if symptoms are severe or persist.

Skin Contact: Rinse with water.

Eye Contact: Rinse with water. Do not rub eye. Remove any contact lenses and open eyelids wide apart. Get medical attention if any discomfort continues.

Ingestion: Rinse mouth thoroughly with water. Get medical advice/attention if you feel unwell. Do not induce vomiting unless under the direction of medical personnel.

4.2. Most Important Symptoms and Effects Both Acute and Delayed

General: The severity of the symptoms described will vary dependent on the concentration and the length of exposure.

Inhalation: Prolonged or repeated exposure may cause the following adverse effects: Suspected of causing cancer.

Skin Contact: Prolonged or repeated exposure may cause the following adverse effects: Suspected of causing cancer.

Eye Contact: Irritating to eyes.

Ingestion: Prolonged or repeated exposure may cause the following adverse effects: Suspected of causing cancer.

4.3. Indication of Any Immediate Medical Attention and Special Treatment Needed

If exposed or concerned, get medical advice and attention. Treat symptomatically.

SECTION 5: FIRE-FIGHTING MEASURES

5.1. Extinguishing Media

Suitable Extinguishing Media: The product is not flammable. Extinguish with alcohol-resistant foam, carbon dioxide, dry powder or water fog. Use fire-extinguishing media suitable for the surrounding fire.

Unsuitable Extinguishing Media: Do not use water jet as an extinguisher, as this will spread the fire

5.2. Special Hazards Arising From the Substance or Mixture

Specific Hazards: Containers can burst violently or explode when heated, due to excessive pressure build-up.

Hazardous Combustion Products: Thermal decomposition or combustion products may include the following substances: Harmful gases or vapors.

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5.3. Advice for Firefighters

Protection Actions During Firefighting: Avoid breathing fire gases or vapors. Evacuate area. Keep upwind to avoid inhalation of gases, vapors, fumes and smoke. Ventilate closed spaces before entering them. Cool containers exposed to heat with water spray and remove them from the fire area if it can be done without risk. Cool containers exposed to flames with water until well after the fire is out. If a leak or spill has not ignited, use water spray to disperse vapors and protect men stopping the leak. Avoid discharge to the aquatic environment. Control run-off water by containing and keeping it out of sewers and watercourses. If risk of water pollution occurs, notify appropriate authorities.

Special Protective Equipment for Firefighters: Wear positive-pressure self-contained breathing apparatus (SCBA) and appropriate protective clothing. Standard Firefighter's clothing including helmets, protective boots and gloves will provide a basic level of protection for chemical incidents.

5.4. Reference to Other Sections

Refer to Section 9 for flammability properties.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1. Personal Precautions, Protective Equipment and Emergency Procedures

Personal Precautions: Wear protective clothing as described in Section 8 of this safety data sheet. No action shall be taken without appropriate training or involving any personal risk. Do not touch or walk into spilled material.

6.2. Environmental Precautions

Avoid discharge into drains or watercourses or onto the ground. Avoid discharge to the aquatic environment.

6.3. Methods and Materials for Containment and Cleaning Up

For Containment: Contain solid spills with appropriate barriers and prevent migration and entry into sewers or streams.

Methods for Cleaning Up: Wear protective clothing as described in Section 8 of this safety data sheet. Clear up spills immediately and dispose of waste safely. Small Spillages: Collect spillage. Large Spillages: Absorb spillage with non-combustible, absorbent material. The contaminated absorbent may pose the same hazard as the spilled material. Collect and place in suitable waste disposal containers and seal securely. Label the containers containing waste and contaminated materials and remove from the area as soon as possible. Flush contaminated area with plenty of water. Wash thoroughly after dealing with a spillage. Dangerous for the environment. Do not empty into drains. For waste disposal, see Section 13.

6.4. Reference to Other Sections

For personal protection, see Section 8. See Section 11 for additional information on health hazards. See Section 12 for additional information on ecological hazards. For waste disposal, see Section 13.

SECTION 7: HANDLING AND STORAGE

7.1. Precautions for Safe Handling

Precautions for Safe Handling: Read and follow manufacturer's recommendations. Wear protective clothing as described in Section 8 of this safety data sheet. Keep away from food, drink and animal feeding stuffs. Handle all packages and containers carefully to minimize spills. Keep container tightly sealed when not in use. Avoid the formation of mists. Suspected of causing cancer. May damage fertility. May damage the unborn child. Pregnant or breastfeeding women should not work with this product if there is any risk of exposure. Avoid discharge to the aquatic environment. Do not handle until all safety precautions have been read and understood. Do not handle broken packages without protective equipment. Do not reuse empty containers

Hygiene Measures: Wash promptly if skin becomes contaminated. Take off contaminated clothing and wash before reuse. Wash contaminated clothing before reuse.

7.2. Conditions for Safe Storage, Including Any Incompatibilities

Technical Measures: Comply with applicable regulations.

Storage Conditions: Store away from incompatible materials (see Section 10). Store locked up. Keep only in the original container. Keep container tightly closed, in a cool, well ventilated place. Keep containers upright. Protect containers from damage.

Incompatible Materials: None known.

7.3. Specific End Use(s)

Coating.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1. Control Parameters

For substances listed in section 3 that are not listed here, there are no established exposure limits from the manufacturer, supplier, importer, or the appropriate advisory agency including: ACGIH (TLV), AIHA (WEEL), NIOSH (REL), OSHA (PEL), or Canadian provincial

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governments. ACGIH = American Conference of Governmental Industrial Hygienists. OSHA = Occupational Safety and Health Administration. A4 = Not Classifiable as a Human Carcinogen.

Proprietary Polymer:

Immediate Danger to Health and Life: 1100 ppm

Long-term exposure limit (8-hour TWA): ACGIH 50 ppm

Long-term exposure limit (8-hour TWA): OSHA 500 ppm 1800 mg/m³

Limestone:

Long-term exposure limit (8-hour TWA): OSHA 5 mg/m³ respirable fraction

Long-term exposure limit (8-hour TWA): OSHA 5 mg/m³ respirable fraction

Long-term exposure limit (8-hour TWA): OSHA 5 mg/m³ respirable fraction

Long-term exposure limit (8-hour TWA): OSHA 15 mg/m³ total dust

Long-term exposure limit (8-hour TWA): OSHA 15 mg/m³ total dust

Long-term exposure limit (8-hour TWA): OSHA 15 mg/m³ total dust

Titanium Dioxide

Immediate Danger to Health and Life: 5000 mg/m³

Long-term exposure limit (8-hour TWA): ACGIH 10 mg/m³

A4

Long-term exposure limit (8-hour TWA): OSHA 15 mg/m³ total dust

Proprietary Catalyst

Long-term exposure limit (8-hour TWA): ACGIH 0.1 mg/m³

Short-term exposure limit (15-minute): ACGIH 0.2 mg/m³

Long-term exposure limit (8-hour TWA): OSHA 0.1 mg/m³

8.2. Exposure Controls

Appropriate Engineering Controls: Provide adequate general and local exhaust ventilation. Ensure the ventilation system is regularly maintained and tested. Good general ventilation should be adequate to control worker exposure to airborne contaminants. Observe any occupational exposure limits for the product or ingredients.

Personal Protective Equipment: Gloves. Protective goggles. Insufficient ventilation: wear respiratory protection.



Hand Protection: Wear protective gloves. The most suitable glove should be chosen in consultation with the glove supplier/manufacturer, who can provide information about the breakthrough time of the glove material. To protect hands from chemicals, gloves should comply with OSHA 1910.138 and be demonstrated to be impervious to the chemical and resist degradation. Considering the data specified by the glove manufacturer, check during use that the gloves are retaining their protective properties and change them as soon as any deterioration is detected. Frequent changes are recommended.

Eye and Face Protection: Wear tight-fitting, chemical splash goggles or face shield. If inhalation hazards exist, a full-face respirator may be required instead.

Skin and Body Protection: Wear suitable protective clothing.

Respiratory Protection: If exposure limits are exceeded or irritation is experienced, approved respiratory protection should be worn. In case of inadequate ventilation, oxygen deficient atmosphere, or where exposure levels are not known wear approved respiratory protection.

Environmental Exposure Controls: Keep container tightly sealed when not in use. Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation. In some cases, fume scrubbers, filters or engineering modifications to the process equipment will be necessary to reduce emissions to acceptable levels.

Other Information: Wash after use and before eating, smoking and using the toilet. Do not eat, drink or smoke when using this product.

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SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on Basic Physical and Chemical Properties

Physical State	: Paste
Appearance	: Yellow
Odor	: Characteristic
Odor Threshold	: Not available
pH	: Not available
Evaporation Rate	: Not available
Melting Point	: Not available
Freezing Point	: Not available
Boiling Point	: Not available
Flash Point	: Not available
Auto-ignition Temperature	: Not available
Decomposition Temperature	: Not available
Flammability (solid, gas)	: Not available
Lower Flammable Limit	: Not available
Upper Flammable Limit	: Not available
Vapor Pressure	: Not available
Relative Vapor Density at 20°C	: (Air=1) >1
Relative Density	: Not available
Specific Gravity	: Not available
Solubility	: Practically insoluble.
Partition Coefficient: N-Octanol/Water	: Not available
Viscosity	: Not available

SECTION 10: STABILITY AND REACTIVITY

- 10.1. Reactivity:** See the other subsections of this section for further details.
- 10.2. Chemical Stability:** Stable at normal ambient temperatures and when used as recommended. Stable under the prescribed storage conditions.
- 10.3. Possibility of Hazardous Reactions:** No potentially hazardous reactions known
- 10.4. Conditions to Avoid:** There are no known conditions that are likely to result in a hazardous situation.
- 10.5. Incompatible Materials:** No specific material or group of materials is likely to react with the product to produce a hazardous situation.
- 10.6. Hazardous Decomposition Products:** Does not decompose when used and stored as recommended. Thermal decomposition or combustion products may include the following substances: Harmful gases or vapors

SECTION 11: TOXICOLOGICAL INFORMATION

11.1. Information on Toxicological Effects - Product

Acute Toxicity (Oral): Not classified (Based on available data, the classification criteria are not met)

Acute Toxicity (Dermal): Not classified (Based on available data, the classification criteria are not met)

Acute Toxicity (Inhalation): Not classified (Based on available data, the classification criteria are not met)

LD50 and LC50 Data: Not available **ATE inhalation** (vapours mg/l) 975.18

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IARC Group	2B-Possibly carcinogenic to humans
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Skin Corrosion/Irritation: Based on available data the classification criteria are not met.

Eye Damage/Irritation: Causes serious eye irritation.

Respiratory or Skin Sensitization: Based on available data the classification criteria are not met.

Germ Cell Mutagenicity: Not classified (Based on available data, the classification criteria are not met)

Carcinogenicity: Contains a substance which may be potentially carcinogenic. IARC Group 2B Possibly carcinogenic to humans.

Specific Target Organ Toxicity (Repeated Exposure): Not classified as a specific target organ toxicant after repeated exposure..

Reproductive Toxicity: May damage fertility. May damage the unborn child

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Specific Target Organ Toxicity (Single Exposure): May cause respiratory irritation.

Aspiration Hazard: Based on available data the classification criteria are not met.

Symptoms/Injuries After Inhalation: No specific symptoms known.

Symptoms/Injuries After Skin Contact: No specific symptoms known.

Symptoms/Injuries After Eye Contact: Irritating to eyes.

Symptoms/Injuries After Ingestion: No specific symptoms known.

Chronic Symptoms: Contains a substance which may be potentially carcinogenic. IARC Group 2B Possibly carcinogenic to humans.

General Information: Avoid contact during pregnancy/while nursing. May damage fertility. May cause cancer after repeated exposure. Risk of cancer depends on duration and level of exposure. The severity of the symptoms described will vary dependent on the concentration and the length of exposure.

SECTION 12: ECOLOGICAL INFORMATION

12.1. Toxicity

Ecology - General: Aquatic Chronic 3 - H412 Harmful to aquatic life with long lasting effects.

12.2. Persistence and Degradability: The degradability of the product is not known.

12.3. Bioaccumulative Potential: No data available on bioaccumulation.

12.4. Mobility in Soil

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Ecology - Soil	Not established.

12.5. Other Adverse Effects

Other Adverse Effects: None known.

Other Information: Avoid release to the environment.

SECTION 13: DISPOSAL CONSIDERATIONS

13.1. Waste treatment methods

General: The generation of waste should be minimized or avoided wherever possible. Reuse or recycle products wherever possible. This material and its container must be disposed of in a safe way. When handling waste, the safety precautions applying to handling of the product should be considered. Care should be taken when handling emptied containers that have not been thoroughly cleaned or rinsed out. Empty containers or liners may retain some product residues and hence be potentially hazardous.

Disposal Recommendations: Do not empty into drains. Dispose of surplus products and those that cannot be recycled via a licensed waste disposal contractor. Waste, residues, empty containers, discarded work clothes and contaminated cleaning materials should be collected in designated containers, labeled with their contents. Incineration or landfill should only be considered when recycling is not feasible.

SECTION 14: TRANSPORT INFORMATION

The shipping description(s) stated herein were prepared in accordance with certain assumptions at the time the SDS was authored, and can vary based on a number of variables that may or may not have been known at the time the SDS was issued.

14.1. In Accordance with DOT Not regulated for transport

14.2. In Accordance with IMDG Not regulated for transport

14.3. In Accordance with IATA Not regulated for transport

14.4. In Accordance with TDG Not regulated for transport

SECTION 15: REGULATORY INFORMATION

15.1. US Federal Regulations

SARA Section 302 Extremely Hazardous Substances Tier II Threshold Planning Quantities

None of the ingredients are listed or exempt.

CERCLA/Superfund, Hazardous Substances/Reportable Quantities (EPA)

None of the ingredients are listed or exempt.

SARA Extremely Hazardous Substances EPCRA Reportable Quantities

None of the ingredients are listed or exempt.

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SARA 313 Emission Reporting

None of the ingredients are listed or exempt.

CAA Accidental Release Prevention

None of the ingredients are listed or exempt.

FDA - Essential Chemical

None of the ingredients are listed or exempt.

FDA - Precursor Chemical

None of the ingredients are listed or exempt.

SARA (311/312) Hazard Categories

None of the ingredients are listed or exempt.

OSHA Highly Hazardous Chemicals

None of the ingredients are listed or exempt.

15.2. US State Regulations

California Proposition 65

ATTENTION! Some of the additives disclosed in Section 3 such as Carbon Black and or Titanium Dioxide are regulated by California Proposition 65 as carcinogens when they are in the form of "airborne, unbound particles of respirable size." Since the disclosed materials are bound in the polymer matrix, they will not be available as an airborne hazard (dust, mist, or spray) under normal conditions of use. Therefore, this product does not present a respiration hazard as outlined by the Prop 65 regulations.

California Air Toxics "Hot Spots" (A-I)

None of the ingredients are listed or exempt.

California Air Toxics "Hot Spots" (A-II)

None of the ingredients are listed or exempt.

California Directors List of Hazardous Substances

None of the ingredients are listed or exempt.

Massachusetts "Right To Know" List

The following ingredients are listed or exempt: Limestone and Titanium Dioxide

Rhode Island "Right To Know" List

The following ingredients are listed or exempt: Limestone and Titanium Dioxide

Minnesota "Right To Know" List

The following ingredients are listed or exempt: Limestone and Titanium Dioxide

New Jersey "Right To Know" List

The following ingredients are listed or exempt: Limestone and Titanium Dioxide

Pennsylvania "Right To Know" List

The following ingredients are listed or exempt: Limestone and Titanium Dioxide

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SECTION 16: OTHER INFORMATION, INCLUDING DATE OF PREPARATION OR LAST REVISION

Date of Preparation or Latest Revision : 03/11/2021

Revision

Other Information : This document has been prepared in accordance with the SDS requirements of the OSHA Hazard Communication Standard 29 CFR 1910.1200 and Canada's Hazardous Products Regulations (HPR) SOR/2015-17.

GHS Full Text Phrases:

Carc. 2B	Carcinogenicity Category 2B Possibly carcinogenic to humans.
H317	May cause an allergic skin reaction
H319	Causes serious eye irritation
H351	Suspected of causing cancer
H360	May damage fertility or the unborn child
H412	Harmful to aquatic life with long lasting effects.

Abbreviations and Acronyms Used in this SDS:

TDG: The transport of dangerous goods act

IATA: International air transport association.

ICAO: Technical instructions for the safe transport of dangerous goods by air.

IMDG: International maritime dangerous goods.

CAS: Chemical abstracts service.

ATE: Acute toxicity estimate. LC₅₀: Lethal concentration to 50 % of a test population.

LD₅₀: Lethal dose to 50% of a test population (median lethal dose).

EC₅₀: 50% of maximal effective concentration.

PBT: Persistent, bioaccumulative and toxic substance.

vPvB: Very persistent and very bioaccumulative.

Carc. = Carcinogenicity

Eye Irrit. = Eye irritation

Repr. = Reproductive toxicity

Aquatic Chronic = Hazardous to the aquatic environment (chronic)

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.

NA GHS SDS 2015 (Can, US)